

CLAIMS:

1. A tire valve nut for mounting a valve stem to a wheel in a valve hole of the wheel, the tire valve nut comprising:

a shoulder formed along an inner wall of the tire valve nut at a lower end of the tire valve nut; and
an elastic body arranged in the shoulder.

10 2. The tire valve nut according to claim 1, wherein the tire valve nut and the elastic body come into contact with the wheel when the valve stem is mounted to the wheel in the valve hole.

15 3. The tire valve nut according to claim 1, wherein the elastic body is ring-like and has an outer diameter that is greater than an inner diameter of the shoulder.

4. The tire valve nut according to claim 1, wherein 20 the inner wall of the tire valve nut includes a threaded portion fastenable to the valve stem, with the threaded portion being separated from the shoulder.

5. A tire valve for mounting in a valve hole of a 25 wheel, the tire valve comprising:

a tire valve nut and a valve stem, wherein the tire valve nut is for mounting the valve stem to the wheel in the valve hole thereof, the tire valve nut including:

30 a shoulder formed along an inner wall of the tire valve nut at a lower end of the tire valve nut;
an elastic body arranged in the shoulder; and
a grommet attached to the valve stem and contacting a wall of the valve hole to seal the tire

when the valve stem is mounted to the wheel.

6. The tire valve according to claim 5, further comprising:

5 a transmitter that measures a condition of the tire to generate and transmit data.

10 7. The tire valve according to claim 5, wherein the tire valve nut and the elastic body come into contact with the wheel when the valve stem is mounted to the wheel in the valve hole.

15 8. The tire valve according to claim 5, wherein the elastic body is ring-like and has an outer diameter that is greater than an inner diameter of the shoulder.

20 9. The tire valve according to claim 5, wherein the inner wall of the tire valve nut includes a threaded portion fastenable to the valve stem, with the threaded portion being separated from the shoulder.

25 10. The tire valve according to claim 5, wherein the elastic body and the grommet elastically deform and enter a space between the wall of the valve hole and the valve stem when the valve stem is mounted to the wheel in the valve hole.